CLAIMS

We claim:

1. A method for producing a factor VIIa/TF/Xa binding protein, comprising:

435/320.1 a) incubating yeast cells transformed with a replicable cloning vehicle, said replicable cloning vehicle comprising a first nucleotide sequence encoding the factor VIIa/TF/Xa binding protein, under conditions favorable for production of the factor VIIa/TF/Xa binding protein, wherein the factor VIIa/TF/Xa binding protein is retained within the yeast cell;

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b) preparing an insoluble fraction of the transformed yeast cells containing the factor VIIa/TF/Xa binding protein;

c) isolating the factor VIIa/TF/Xa binding protein of the insoluble fraction.

2. The method of claim 1 wherein the DNA encoding the factor VIIa/TF/Xa binding protein is immediately preceded in frame by a second nucleotide seqence, said first and said second 435/69.1 nucleotide sequences together encoding a fusion peptide, said fusion peptide capable of being cleaved within the yeast cells to produce authentic factor VIIa/TF/Xa binding protein.

3. The method of claim 2 wherein said second nucleotide sequence encodes ubiquitin.

4. The method of claim 3 wherein the replicable cloning vehicle comprises SEQ ID 1.

435/254.21 5. The method of claim 1 wherein the yeast cells are of the genus *Saccharomyces*.

6. The method of claim 5 wherein the yeast cells are of the species *Saccharomyces cerevisiae* and have a genotype selected from the group consisting of VH6, AB122, and JSC310.

7. The factor VIIa/TF/Xa binding protein prepared by the method according to claim 1.

8. The method of claim 1 wherein the factor VIIa/TF/Xa binding protein is TFPI.

9. The method of claim 1 wherein the factor VIIa/TF/Xa binding protein is TFPI-2.

10. The method of claim 1 wherein the factor VIIa/TF/Xa binding protein is a mutein of TFPI having arginine in the P1 reactive site of Kunitz-type domain 1.

11. The factor VIIa/TF/Xa binding protein prepared by the method according to claim 10.